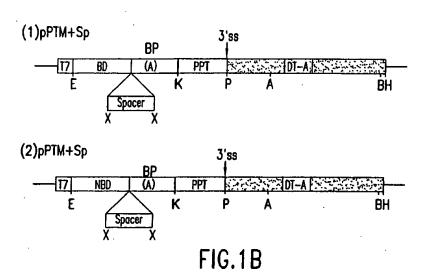


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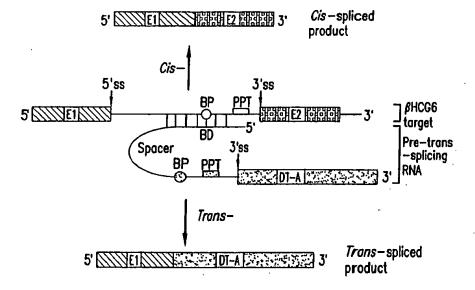
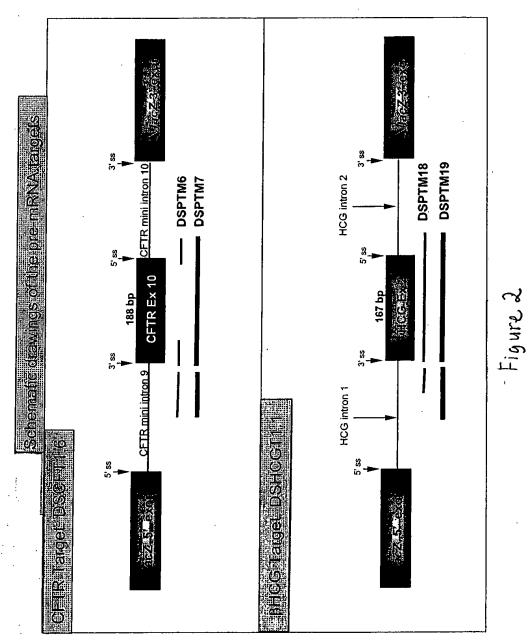
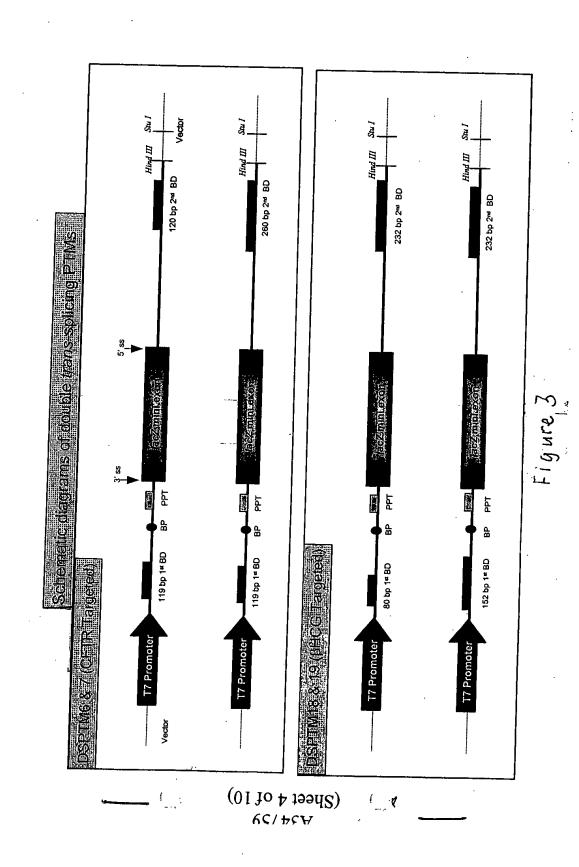
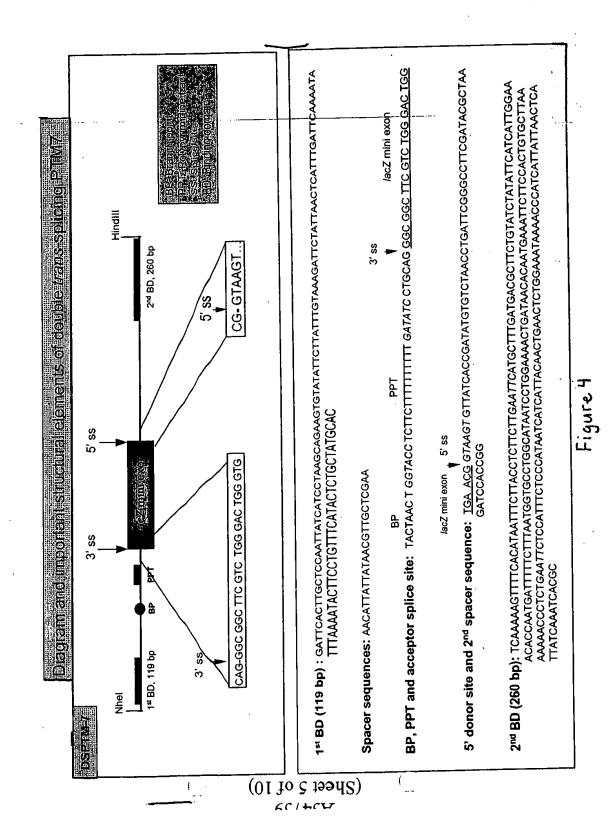


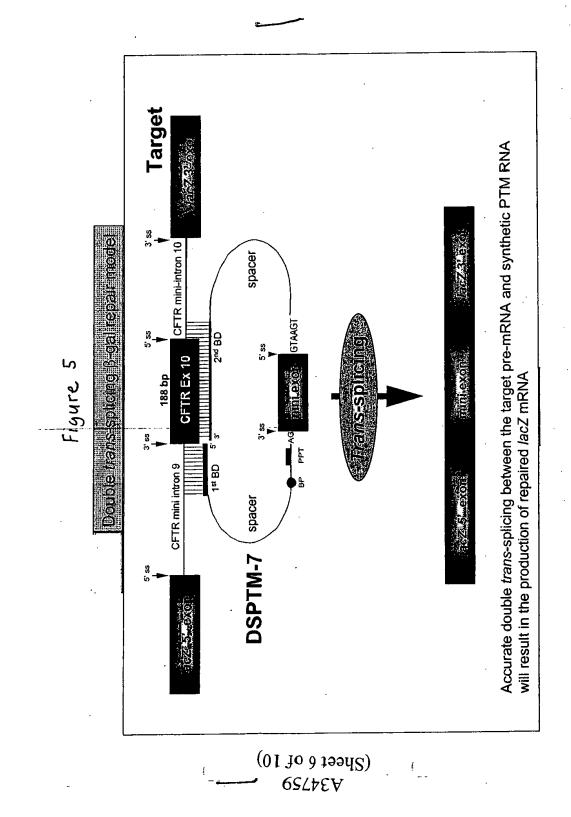
FIG.1C

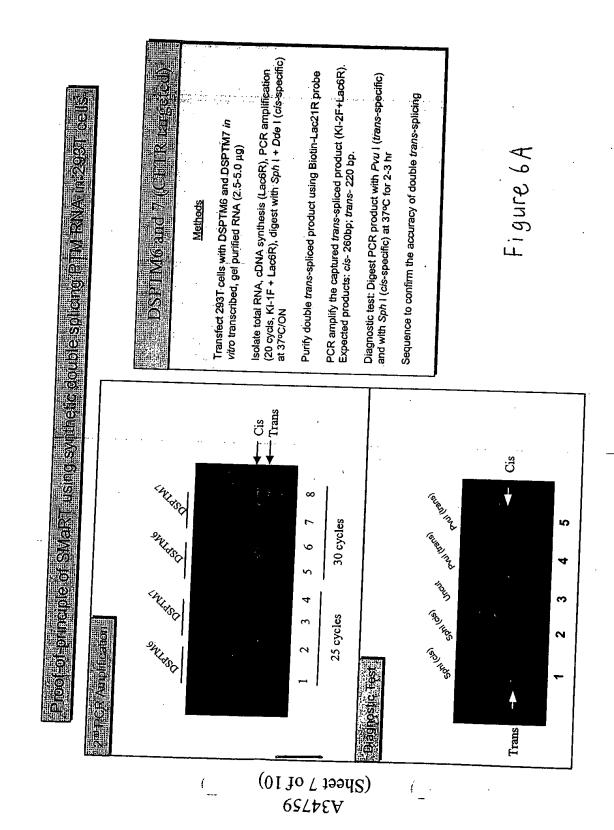


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skipping Exon Olastast, 4 States (CANTAS C 100g PGR Amplecal Cis

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- DSPIMIS and 19 (研究

Transfect DSHCGT1.1 stable cells with DSPTM7, DSPTM18 and DSPTM19 in vitro transcribed, get purified RNA (2.5-5.0 $\mu g)$

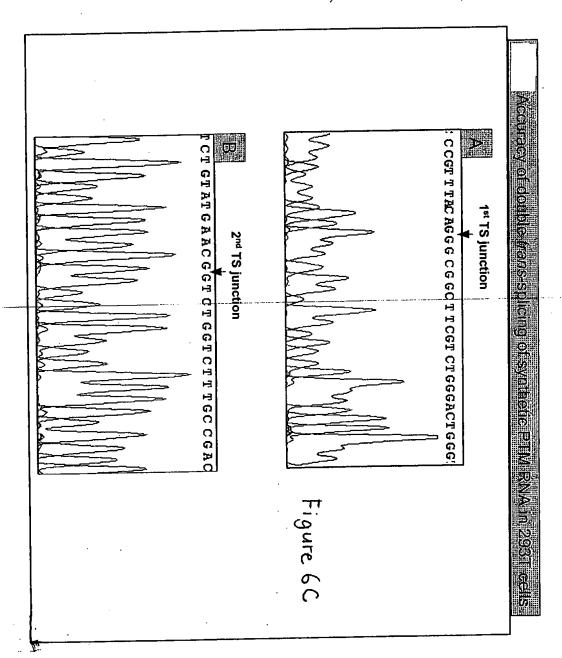
Isolate total RNA, cDNA synthesis (Lac6R), PCR amplification (20 cycls, KI-1F + Lac6R), digest with Sph I + Dde I (cis-specific) at 37° C/ON

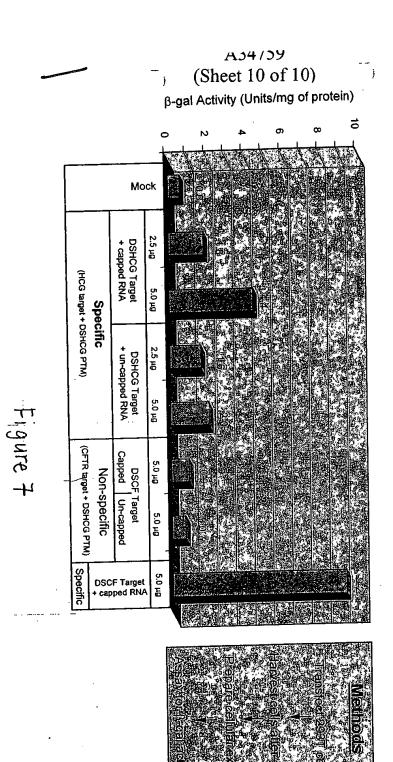
Purify double trans-spliced product using Biotin-Lac21R probe

PCR amplify the captured trans-spliced product (KI-2F + Lac6R). Expected products: cis-260bp; trans-220 bp

Sequence to confirm the accuracy of double trans-splicing;

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oration of β-gal tunction through RNA transfection in 293T cells (Proof-of-concept for SnaRT RNA Therapeutics!!) Synthetic RNA, Bouble trans-splicing